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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/606,891	06/27/2003	Takashi Miwa	XA-9890	6140
181	7590 06/24/2004		EXAMINER	
MILES & STOCKBRIDGE PC			TRAN, ANDREW Q	
2,000000	1751 PINNACLE DRIVE			PAPER NUMBER
SUITE 500 MCLEAN. V	A 22102-3833		2824	
1410221114,			DATE MAILED: 06/24/200	4

Please find below and/or attached an Office communication concerning this application or proceeding.

-		Application No.	Applicant(s)	(A)			
Office Action Summary		10/606,891	MIWA ET AL.	v			
		Examiner	Art Unit				
		Andrew Q. Tran	2824				
Period fe	The MAILING DATE of this c mmunic or Reply	cation appears on the cover she	et with the c rrespondence a	ddress			
THE - External after aft	MORTENED STATUTORY PERIOD FO MAILING DATE OF THIS COMMUNIC ensions of time may be available under the provisions of its TSIX (6) MONTHS from the mailing date of this commuse period for reply specified above is less than thirty (30). Depriod for reply is specified above, the maximum stature to reply within the set or extended period for reply we reply received by the Office later than three months after the patent term adjustment. See 37 CFR 1.704(b).	CATION. of 37 CFR 1.136(a). In no event, however, multication. of days, a reply within the statutory minimum utory period will apply and will expire SIX (6 will, by statute, cause the application to beco	nay a reply be timely filed of thirty (30) days will be considered time) MONTHS from the mailing date of this me ABANDONED (35 U.S.C. § 133).				
Status				•			
1)	Responsive to communication(s) filed	d on					
2a)□		b)⊠ This action is non-final.					
3)□	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposit	ion of Claims						
5) 6) 7)	Claim(s) 1-14 is/are pending in the ap 4a) Of the above claim(s) is/are Claim(s) is/are allowed. Claim(s) is/are rejected. Claim(s) is/are objected to. Claim(s) 1-14 are subject to restriction	e withdrawn from consideration	ı.				
Applicat	ion Papers						
9)[The specification is objected to by the	Examiner.					
10)	The drawing(s) filed on is/are:	a) accepted or b) objecte	d to by the Examiner.				
	Applicant may not request that any object	tion to the drawing(s) be held in ab	peyance. See 37 CFR 1.85(a).				
11)	Replacement drawing sheet(s) including to The oath or declaration is objected to	•		` '			
Priority (under 35 U.S.C. § 119						
а)	Acknowledgment is made of a claim for All b) Some * c) None of: 1. Certified copies of the priority of Some * Copies of the priority of Some * Copies of the priority of Some * Copies of the certified copies of the attached detailed Office action	locuments have been received locuments have been received f the priority documents have b al Bureau (PCT Rule 17.2(a)).	. in Application No been received in this Nationa	l Stage			
Attachmer	atte)						
_	ce of References Cited (PTO-892)	4) 🗍 Inten	view Summary (PTO-413)				
2) Notic 3) Infor	ce of Draftsperson's Patent Drawing Review (PT mation Disclosure Statement(s) (PTO-1449 or Per No(s)/Mail Date	O-948) Pape PTO/SB/08) 5) Notice	r No(s)/Mail Date e of Informal Patent Application (PT	O-152)			

DETAILED ACTION

Election/Restrictions

Restriction to one of the following inventions is required under 35 U.S.C. 121:

- Claims 1-12, drawn to a stacked semiconductor device, classified in class 365, subclass 51.
- II. Claims 13-14, drawn to a semiconductor device, classified in class 257, subclass692.

The inventions are distinct, each from the other because of the following reasons:

Inventions of Group I and Group II are unrelated. Inventions are unrelated if it can be shown that they are not disclosed as capable of use together and they have different modes of operation, different functions, or different effects (MPEP § 806.04, MPEP § 808.01). In the instant case the different inventions claim distinct semiconductor devices where Group I recites a stacked semiconductor device with a memory chip and a semiconductor chip mounted one on another on top of a package substrate; while Group II recites a semiconductor device with notched bonding leads.

Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, restriction for examination purposes as indicated is proper.

Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

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Applicant is reminded that upon the cancellation of claims to a non-elected invention, the

inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the

currently named inventors is no longer an inventor of at least one claim remaining in the

application. Any amendment of inventorship must be accompanied by a request under 37 CFR

1.48(b) and by the fee required under 37 CFR 1.17(i).

Any inquiry concerning this communication or earlier communications from the examiner

should be directed to Andrew Q. Tran whose telephone number is (571) 272-1885. The

examiner can normally be reached on Mon - Fri 8:30 AM - 5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Richard T. Elms can be reached on (571) 272-1869. The fax phone number for the

organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private

PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Andrew Q. Tran Primary Examiner

Art Unit 2824

at

June 20, 2004